

CLAIMS:

1. High-pressure metal halide lamp, comprising an arc tube comprising a metal halide containing discharge medium for supporting an electrical discharge, an outer envelope surrounding said arc tube, and a phosphor coating on the inner surface of said outer envelope, said phosphor coating comprising a blue emitting phosphor.
- 5 2. Lamp as claimed in claim 1, wherein the blue emitting phosphor is selected from the group consisting of $(\text{Ba,Ca})_{1.29}\text{Al}_{12}\text{O}_{19.29}:\text{Eu}$, $\text{Sr}_5(\text{PO}_4)_3\text{Cl}:\text{Eu}$, $\text{BaMgAl}_{10}\text{O}_{17}:\text{Eu}$, $\text{Si}_2\text{Al}_6\text{O}_{11}:\text{Eu}$, $\text{BaAl}_8\text{O}_{13}:\text{Eu}$, $\text{Sr}_4\text{Al}_{14}\text{O}_{25}:\text{Eu}$, and $\text{BaMgAl}_{10}\text{O}_{17}:\text{Eu,Mn}$.
- 10 3. Lamp as claimed in claim 1 or 2, wherein the discharge medium comprises one or more metal halides, wherein the metal is chosen from the group consisting of sodium, scandium, thallium, and indium.
4. Lamp as claimed in claim 3, wherein the discharge medium comprises one or
15 more metal halides, wherein the metal is chosen from from sodium and scandium.